PRODUCT INFORMATION PACKET



Model No: 505UTDS16101 Catalog No: M760

Vertical Pump Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 900 RPM, 505 PV Frame, DP



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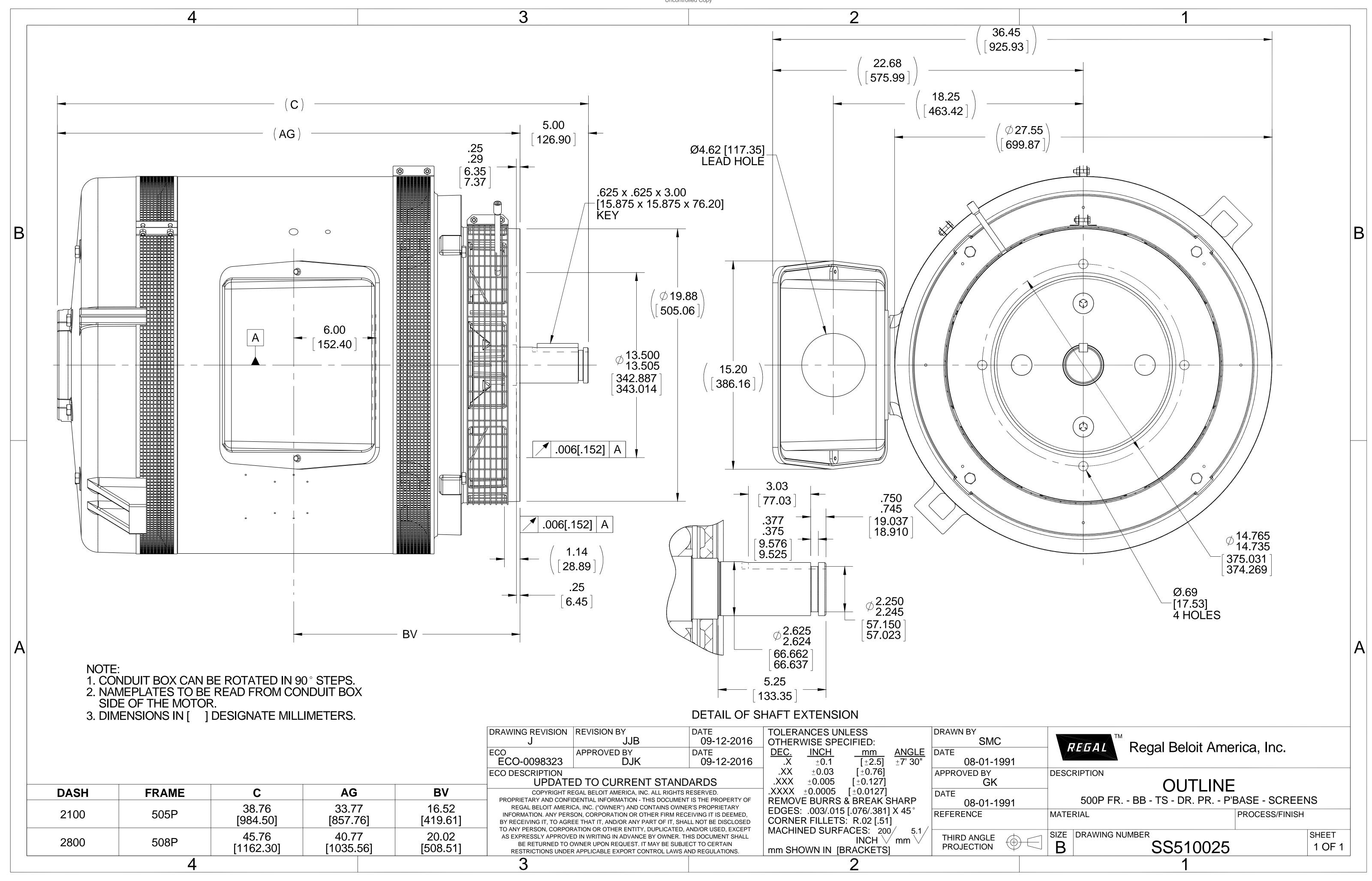
Nameplate Specifications

Phase	3	Output HP	200 Hp	
Output KW	149.0 kW	Voltage	460 V	
Speed	886 rpm	Service Factor	1.15	
Frame	505 PV	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	94.1 %	
Ambient Temperature	40 °C	Frequency	60 Hz	
Current	265.0 A	Power Factor	74	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Drive End Bearing Size	6316	Opp Drive End Bearing Size	7319 2	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	22	
Number of Speeds	1			

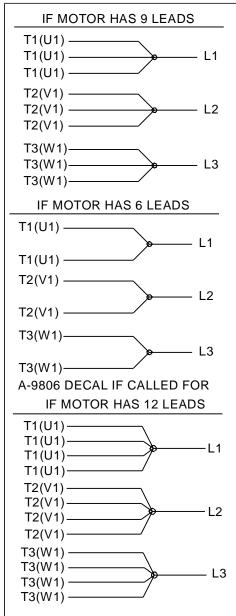
Technical Specifications

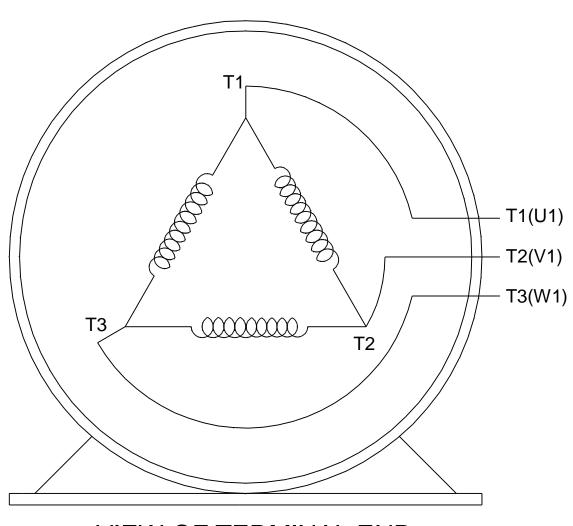
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	.032 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Duplex Tandem Angular Contact	Frame Material	Cast Iron
Shaft Type	Р	Overall Length	38.75 in
Shaft Diameter	2.625 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7300U	Outline Drawing	B-SS510025-2100

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO-0077067	APPROVED BY FWH	DATE 05-05-2015
ECO-0077007	□ □ VV □	03-03-2013

ECO DESCRIPTION

UPDATED TO SOLIDWORKS

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TOLERANCES UNLESS
OTHERWISE SPECIFIED:
DEC. INCH mm ANGLE
.X ±0.1 [±2.5] ±7'30"
.XX ±0.02 [±0.51]
XXX ±0.005 [±0.127]
.XXXX ±0.0005 [±0.0127]
REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200/ 5.1,
INCH ∨ mm ∨
mm SHOWN IN [BRACKETS]

DRS DATE 09-27-1996 REGAL REGAL Regal Beloit America, Inc.								
	APPROVED BY	DESC	RIPTION					
	GK		CONN DIAGRAM-EXTERNAL					
	DATE							
	09-30-1996		3Ø SINDLE VOLTA	.GE				
	REFERENCE	MATE	RIAL	PROCESS/FINISH				
,								
	THIRD ANGLE	SIZE	DRAWING NUMBER		SHEET			
	PROJECTION (P)	Α	EE7300U		1 OF 1			

CERTIFICATION DATA SHEET

 Model#:
 505UTDS16101 AN
 WINDING#:
 T505836 NONE 1

 CONN. DIAGRAM:
 A-EE7300U
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS510025-2100

TYPICAL MOTOR PERFORMANCE DATA

HP	KW		SYNC. RPM	F.L. RPM	FRAME	ENCLOS	SURE K	VA CODE	DESIGN
200	149	9	900	886	505 PV	DP		F	В
PH	Hz	VOLTS	FLAMP	S START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	460	265	ACROSS THE	CONTINUOU	F1	1.15	40	3300

FULL LOAD EFF: 94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 74	3/4 LOAD PF: 70	1/2 LOAD PF: 59	93	SQ CAGE IND RUN	115

LINE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
1188 LB-FT	1200	2000 LB-FT 170	2400 LB-FT 200	75	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	145 LB-FT^2	- LB-FT^2	15 SEC.	-	2200 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEAL	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	DUPLEX	POLYREX EM	Р	NONE	NONE	1045 HOT	CAST IRON
	TANDEM					ROLLED (C-204)	
	ANGULAR						
	CONTACT						
6316	7319 2						

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS PROTECTORS WDG RTDs BRG RTDs						
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

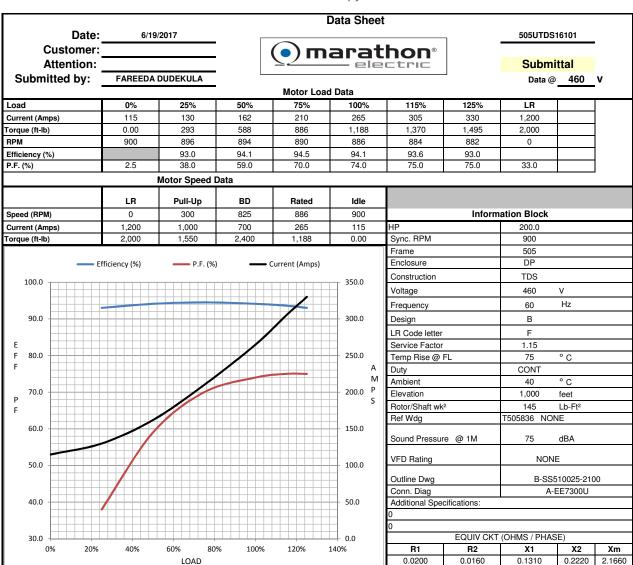
BRAKE: NONE NONE NONE P/N NONE NONE NONE

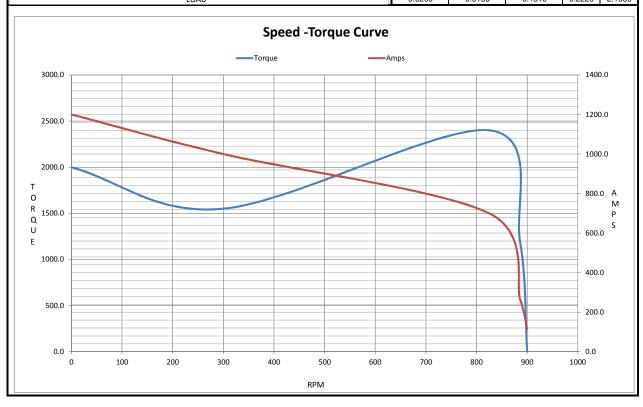
NONE FT-LB NONE V NONE Hz

N O T E S

DATE: 06/28/2017 05:35:01 AM FORM 3531 REV.3 02/07/99

** Subject to change without notice.







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 505UTDS16101

(Model No. may contain prefix and/or suffix characters)

Catalog No : M760

Rework No : N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22